Ground/Air Task Oriented Radar (G/ATOR)

DESCRIPTION

Ground/Air Task Oriented Radar (G/ATOR) is an expeditionary, high mobility multi-wheeled vehicle-based single materiel solution to fill the Multi-Role Radar System and Ground Weapon Locating Radar's operational requirements. G/ATOR has four incremental deliveries. Increment I is a medium-range Air Surveillance radar used to detect and track aircraft, cruise missiles, and unmanned aerial vehicles. The system will serve as a gap-filler radar by providing three-dimensional coverage of those areas out of view of the AN/TPS-59 (V) 3. The radar is intended to replace all the missions currently associated with the AN/TPS-63 and AN/MPQ-62 radars. Increment II provides the next-generation ground weapon locating radar. The G/ATOR will replace the AN/TPQ-46A as the Marine Corps hostile indirect fires target locating system. The primary mission of the G/ATOR, employed in the counter fire role, is to locate mortar, artillery, and rocket threats and provide accurate location information to friendly counter fire weapons. The secondary role of the counter fire G/ATOR is to provide "did hit" data to friendly weapon systems for adjust fire and battle damage assessment. Increment III will improve upon Increment I's air mission capabilities. Enhancements include: Advance Combat ID circuitry and software (non-cooperative target recognition), integrated Cooperative Engagement Capability/ Composite Tracking Network, advanced ECCM capabilities (decoys), Radar Environmental Simulator and Integrated Data Environment capabilities. Increment IV will add Air Traffic Control functionality and replace the AN/TPS-73 radar.

OPERATIONAL IMPACT

G/ATOR will have the responsiveness needed to detect, identify, and track enhanced, low-level air-breathing targets, as well as indirect fire threats during the execution of Expeditionary Maneuver Warfare operations. In addition, the radar will be capable of cueing and reporting on targets detected within its coverage limits to designated air and ground command and control agencies. The reduced logistical footprint of the radar will enhance the capabilities of the Marine Air Command and Control System and artillery regiments in support of all phases of MAGTF operations. It will possess the mobility required to keep pace with supported maneuver elements and will complement the Marine Corps long-range radar, the AN/TPS- 59 (V) 3, by providing accurate low-level tracks. The G/ATOR's ground and air mission capabilities give the MAGTF commander a unique operational flexibility.

PROGRAM STATUS

G/ATOR Increment I is currently awaiting the System Development and Demonstration Phase. Contract award, Increment II Milestone B decision is expected during July 2007. ASN (RD&A) approved Milestone B in 2005.

Procurement Profile:	FY 2007	FY 2008
Quantity:	0	0

Developer/Manufacturer:
TBD